

Focus Area 2: Arthritis, Osteoporosis, and Chronic Back Conditions

Objective 2-10 calls for reductions in hospitalizations for vertebral fractures associated with osteoporosis among persons aged 65 years and older to an age-adjusted rate of 11.6 per 10,000 population.

Hospital discharge data for 2000 indicates a total of 4,107 discharges among California residents of this age group with a diagnosis of vertebral fracture as either the Principal Diagnosis or in any of seven first-listed Other Diagnosis fields (Figure 2-10, Table 2-10). This translates to an age-adjusted rate of 11.3 per 10,000 population, which is slightly below the HP2010 objective. Data for 2001 show a total of 4,259 discharges at a rate of 11.3 per 10,000 population; data for 2002 show 4,636 discharges at a rate of 11.8 per 10,000 population; and data for 2003 show a total of 4,765 discharges at a rate of 11.8 per 10,000, an increase that puts California above the HP2010 target.

Data by gender show that California females aged 65 and over had age-adjusted hospitalization rates of 13.0 per 10,000 in 2000, 12.8 per 10,000 in 2001, 13.8 per 10,000 in 2002, and 14.1 per 10,000 in 2003. These rates exceeded the HP2010 target, and were significantly higher than the hospitalization rates for males (8.8 per 10,000 in 2000, 9.0 per 10,000 in 2001, 8.9 per 10,000 in 2002, and 8.6 per 10,000 in 2003). This HP2010 objective is being achieved for males, but not for females.

The highest vertebral fracture hospitalization rates were observed for Whites (13.2 per 10,000 in 2003). Asian/Pacific Islander persons aged 65 and over had the second highest rates of vertebral fracture hospitalizations (9.3 per 10,000 in 2003), but these were consistently below the HP2010 target. The HP2010 objective was being achieved for all racial and ethnic populations in California during 2000-2003 except for Whites. The hospitalization rates for American Indians/Alaska Natives was unreliable due to the small number of events during a single calendar year, so it remains unknown whether the HP2010 objective will be met for this population.

For more information on arthritis and osteoporosis, visit the California Arthritis Partnership Program (CAPP) and the California Osteoporosis Prevention and Education (COPE) program Web site at:

<http://www.dhs.ca.gov/ps/cdic/cdcb/medicine/gerontology/oaunit/>

For more information on Healthy People 2010 objective 2-10, please visit:

<http://www.healthypeople.gov/Document/HTML/Volume1/02Arthritis.htm>
and
<http://www.healthypeople.gov/Document/html/tracking/od02.htm>

Figure 2-10
Vertebral Fracture Hospitalizations
Among Persons Aged 65 and Over
California, 2000-2003

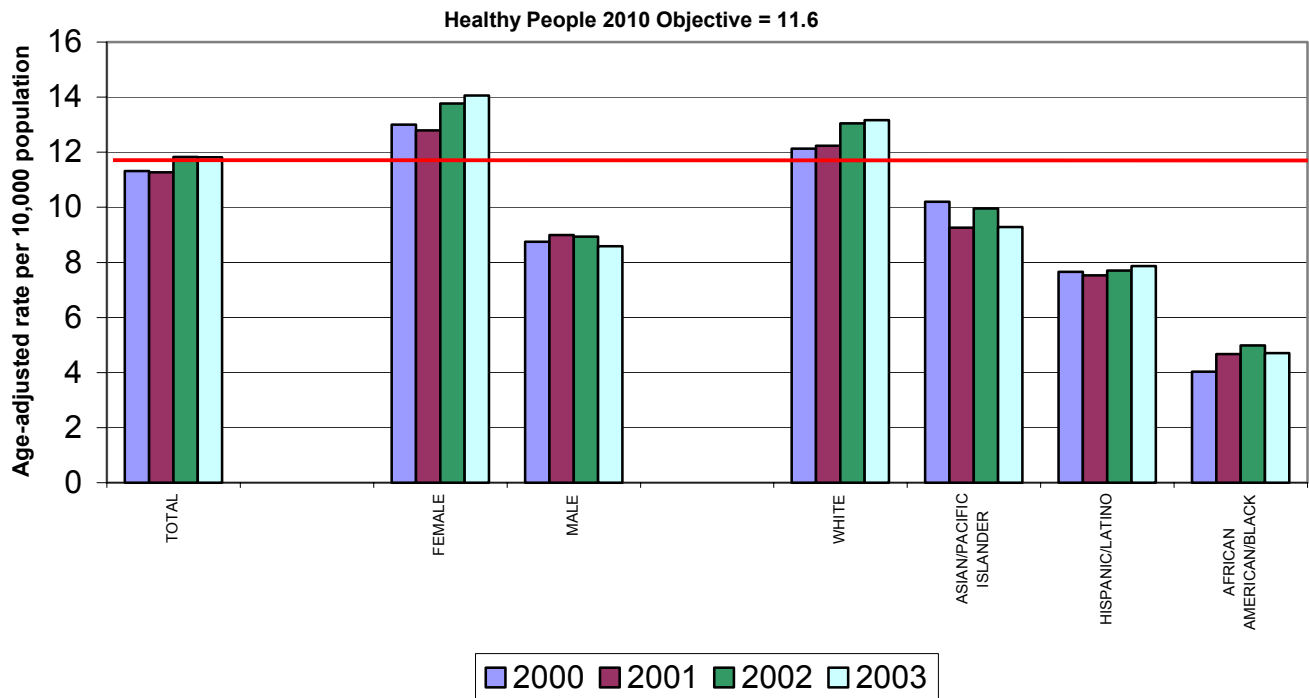


Table 2-10
Vertebral Fracture Hospitalizations
Among Persons Aged 65 and Over
California, 2000-2003

Vertebral Fracture Hospitalizations*	2000				2001			
	N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Objective 2-10		11.6				11.6		
CALIFORNIA TOTAL	4,107	11.3	11.0	11.7	4,259	11.3	10.9	11.6
Race-Ethnicity								
American Indian/Alaska Native	4	DSU	—	—	2	DSU	—	—
Asian/Pacific Islander	340	10.2	9.1	11.3	339	9.3	8.3	10.3
Black/African American	70	4.0	3.1	5.0	85	4.7	3.7	5.7
Hispanic/Latino	322	7.7	6.8	8.5	349	7.5	6.7	8.3
White	3,227	12.1	11.7	12.5	3,334	12.2	11.8	12.7
Gender								
Female	2,830	13.0	12.5	13.5	2,885	12.8	12.3	13.3
Male	1,277	8.8	8.3	9.2	1,374	9.0	8.5	9.5

Vertebral Fracture Hospitalizations*	2002				2003			
	N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Objective 2-10		11.6				11.6		
CALIFORNIA TOTAL	4,636	11.8	11.5	12.2	4,765	11.8	11.5	12.2
Race-Ethnicity								
American Indian/Alaska Native	7	DSU	—	—	4	DSU	—	—
Asian/Pacific Islander	395	10.0	9.0	10.9	395	9.3	8.4	10.2
Black/African American	94	5.0	4.0	6.0	92	4.7	3.7	5.7
Hispanic/Latino	385	7.7	6.9	8.5	428	7.9	7.1	8.6
White	3,631	13.0	12.6	13.5	3,720	13.2	12.7	13.6
Gender								
Female	3,209	13.8	13.3	14.2	3,348	14.1	13.6	14.5
Male	1,427	8.9	8.5	9.4	1,417	8.6	8.1	9.0

SOURCES: Office of Statewide Health Planning and Development, Patient Discharge Data, 2000-2003;
CA Department of Finance, Demographic Research Unit, Population Projections by Race/Ethnicity for
California and Its Counties 2000-2050, May 2004.

NOTES: * ICD-9-CM codes 805.0, 805.2, 805.4, 805.8 in PDX or 7 ODXs;

DSU = Data Statistically Unreliable (Relative Standard Error greater than 23 percent);

¹ Rates are per 10,000 population aged 65 years and over, age-adjusted using the 2000 U.S. Standard Population